Attorney Docket No.: 00.22US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Maes, et al.

Serial No.: 09/773,351

Filed: January 31, 2001

Group Art Unit: 1619

Examiner: Willis, M.

For: Cholesterol Sulfate and Amino Sugar Compositions for Enhancement of Stratum Corneum Function

RESPONSE PURSUANT TO 37 CFR 1.111

The Assistant Commissioner of Patents and Trademarks

Washington, D.C. 20231

Dear Sir:

In response to the Final Action of December 12, 2001, and the Advisory Action dated March 26, 2002, please consider the following remarks regarding the rejections which were maintained therein. The Examiner maintained the rejection of claim 19 under section 112, first paragraph for failing to describe subject matter such that one of ordinary skill in the art would be enabled to make and/or use the present invention. Specifically, the Examiner asserts that the specification lacks enablement for "preventing" damage to the skin. The Examiner's position is based on the reasoning that damage to the skin cannot be adequately predicted such that it is not possible to determine if damage has been prevented. In addition, in response to the submission of other patents using the term "preventing", the Examiner points out that each application is examined on its own merits.

Knowledge of certain factors, such as, for example, chronological aging or overexposure to UV radiation based on studies of the changes in the skin subjected to a specific factor makes it possible to predict damage to the skin. Thus, while damage to the skin cannot be predicted in its entirety, there are specific types of damage that the skin may experience and that are indeed predictable. As an illustration, predictability of the damage to the skin is demonstrated in U.S. Patent No. Re. 36,068. In this document, at columns 3 to 4, the predictable characteristics of sundamaged and aging skin are described. Similar to Re. 36,068, Claim 19 does not broadly describe damage to the skin; but rather, addresses a specific type of damage. In Claim 19 the damage is that which is associated with a reduction or loss of skin barrier function, and the characteristics of this damage are described in the present specification. Specifically, at page 1, line 26 to page 2, line, examples of a compromised skin barrier are provided as being UV-damage, degradation of collagen and elastin, and wrinkling and skin atrophy. Therefore, there is an ability based on knowledge in the art regarding aging and sundamaged skin to permit with great accuracy the prediction of damage

associated with a reduction or loss of skin barrier function. It is important to note that the damage referred to in Claim 19 is not open-ended damage to the skin but instead is limited to damage to the skin's protective barrier function.

The Examiner also reasons that "prevention" of a symptom is not the same as a reduction of a symptom. However, Applicants submit herewith a dictionary definition of the word "prevent." The definition of the word "prevent" as it is defined in the Webster's Encyclopedic Unabridged Dictionary of the English Language ("the Dictionary") at page 1141 means "to keep from occurring." There is no mention of a correlation with reducing the thing that is kept from occurring, presumably because they are two different words. However, if a condition already exists the fact that it is possible to reduce that condition inherently means that it is not occurring any further. One of ordinary skill in the art understands the scope and meaning of the word "prevent" as it used in the present invention. Therefore, Applicants request that the Examiner's rejections based on lack of enablement under 35 U.S.C. §112, first paragraph be withdrawn.

The Examiner also maintains in the advisory action that Ribier et al. (U.S. Patent No. 5,650,166; "the '166 reference") in view of Subbiah (U.S. Patent No. 6,150,381; "the '381 reference") renders claims 1 to 20 of the present invention obvious under 35 U.S.C. §103(a) because a mixture includes random solutions and vesicles. In response to Applicants' previous arguments regarding the teachings of the '166 reference, the Examiner points out that the '166 reference teaches the formation of vesicles by mixing. However, the second category of vesicles which is taught as being capable of formation by simple stirring does not teach or suggest a simple mixture of an exfoliant and cholesterol sulfate which are the actives of the present invention. The present invention relates to a mixture of cholesterol sulfate and an exfoliant which can be Nacetylglucosamine. Specifically, the '166 reference teaches N-acetyl-glucosamine as being an active agent with deep down action at column 5, line 67 (i.e., encapsulated in the first category vesicle B) 1 Production of vesicles of first category (diffusing deep down)), it is not taught as a second category active for diffusing at the surface. Therefore, the teaching of second category vesicles containing surface diffusing actives by simple stirring with a lipid system in Table 1 fails to teach or suggest the present invention because N-acetyl glucosamine is not taught in the '166 as being a surface diffusing active.

As the Examiner points out, at column 8, line 23, of the '166 reference, the production of vesicles of the second category (diffusing at the surface) are taught, however, the simple stirring is of the second category active into a particular type of lipid system disclosed in Table 1 which will act as the membrane for the lipid. Thus, while it appears that the vesicle can be formed by simple stirring according to the '166 reference in one of the lipid systems of Table 1, the vesicle is then added to the cosmetic composition which

also contains first category vesicles. This is evidenced by the section heading B) Production of the cosmetic composition. Therefore, there is no teaching of a simple mixture of cholesterol sulfate with N-acetylglucosamine in a composition, and thus, no teaching or suggestion of the present invention by the '166 reference.

Further, the '166 reference teaches away from the present invention because the teaching of Nacetyl glucosamine in the '166 reference is as a deep down active which is encapsulated according to the elaborate process in B) Production of vesicles of first category (diffusing deep down). As previously mentioned in the Applicants' Reponse of March 12, 2002, the process of making lipid vesicles taught or suggested by the '166 reference would not provide motivation to one of ordinary skill in the art to make the simple mixture of the present or to achieve the surprising results of the present invention. The '166 reference demonstrates the exact opposite of the present invention. With respect to N-acetyl glucosamine as a deep diffusing active, the '166 reference teaches that co-fusion processing steps are required to make the first category vesicle which is distinguishable over a simple mixture. Further, even if a vesicle can be made as described in the section for second category vesicles by simple stirring, the second category vesicles are still composed of a surface diffusing active encapsulated by a lipid system which is added to a cosmetic. The exfoliant, namely N-acetyl glucosamine, of the present invention is not taught in a simple mixture with cholesterol sulfate, therefore, the '166 reference, alone or in combination with the '381 reference, fails to teach or suggest the present invention. Because neither of the cited references alone nor in combination would lead one of ordinary skill in the art to the compositions and methods of the present invention, a prima facie case of obviousness has not been established. Applicants request therefore, that the Examiner's rejection under §103 be withdrawn.

CONCLUSION

In view of the arguments presented above in the present submission, the claims are believed to be in condition for allowance, and issuance of a Notice of Allowance is respectfully solicited.

Respectfully submitted,

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[11] E

Re. 36,068

Jan. 26, 1999



[45] Reissued Date of Patent:

United States Patent [19]

Kligman

[54] METHODS FOR TREATMENT OF SUNDAMAGED HUMAN SKIN WITH RETINOIDS

- [76] Inventor: Albert M. Kligman, 238 Oceana Dr., Harvey Cedars, N.J. 08008
- [21] Appl. No.: 630,872
- [22] Filed: Apr. 2, 1996

Related U.S. Patent Documents

Reiss	ue of:		
[64]	Patent No.:	4,877,805	
	Issued:	Oct. 31, 1989	
	Appl. No.:	205,057	

Jun. 3, 1988 Filed:

U.S. Applications:

- [63] Continuation of Ser. No. 886,596, Jul. 16, 1986, abandoned, which is a continuation-in-part of Scr. No. 759,505, Jul. 26, 1985, Pat. No. 4,603,146, which is a continuation of Scr. No. 610,711, May 16, 1984, abandoned, which is a continuationin-part of Ser. No. 297,388, Aug. 28, 1981, abandoned.
- [51] U.S. Cl. 514/381; 514/438; 514/532; [52]
- 514/559; 514/617; 514/622; 514/725 [58]
- 514/532, 559, 617, 622, 725

[56] **References** Clted

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(List continued on next page.)

Primary Examiner-James II. Reamer

Attorney, Agent, or Firm-Sughruc, Mion, Zinn, Macpeak & Seas, PLLC

ABSTRACT [57]

Various effects of photoaging or sundamage of skin including impairment of differentiation of epidermal epithelial cells and loss of collagen fibers, abnormal changes in clastic fibers and deterioration of small blood vessels in the dermis of the skin are retarded by applying topically to the epidermis in a maintenance therapy program effective amounts of retinoids including retinoid derivatives and stereoisomers thereof such that epithelial growths are substantially reduced and prevented and the skin substantially regains and maintains its firmness, lurgor and elasticity. Moreover, with persistent treatment dermal blood cells and vessels increase and the epidermis and dermis thicken, resulting in improved ability of the skin to sense, resist and recover from irritation or injury. Further, hyperpigmentation, lines and wrinkles due to aging are reduced and prevented. The treatment is particularly useful for human facial skin and preferably applied in amounts insufficient to cause excessive irritation.

11 Claims, No Drawings

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Rc. 36,068

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METHODS FOR TREATMENT OF SUNDAMAGED HUMAN SKIN WITH RETINOIDS

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Matter enclosed in heavy brackets [] appears in the 5 original patent but forms no part of this reissue specification; matter printed in italics indicates the additions made by reissue.

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation of application Ser. No. 886,595, filed July 16, 1986, now abandoned, which in turn is a continuation-in-part of my U.S. Pat. Application Ser. No. 759,505, filed July 26, 1985, entitled, "Methods for Retarding the Effects of Aging of the Skin," now U.S. Pat. No. 4,603,146, which was a continuation of application Ser. No. 610,711, filed May 16, 1984, now abandoned, which, in turn, was a continuation-in-part of application Ser. No. 207,388, filed Aug. 28, 1981, entitled "Composition and Method for Improving the Quality of Human Skin and Skin Aging Retardant", now abandoned.

FIELD OF THE INVENTION

This invention relates to methods using retinoids to retard the effects of aging of the skin and generally improve the quality of the skin, particularly human facial skin.

BACKGROUND OF THE INVENTION

Caucasians who have had a good deal of sun exposure in childhood will show the following gross cutaneous alterations in adult life: wrinkling, leatheriness, yellowing, looseness, roughness, dryness, mottling (hyperpigmentation) and various premalignant growths (often subelinical). These changes are most prominent in light-skinned persons who burn easily and tan poorly. The baleful effects of sunlight are cumulative, increasing with time often referred to as "photoaging". Although the anatomic degradation of the skin is most advanced in the elderly, the destructive effects of excessive sun exposure are already evident by the second decade. Serious microscopic alterations of the epidermis and dermis occur decades before

these become clinically visible. Wrinkling, yollowing, 45 leatheriness, loss of elasticity are very late changes.

Retinoids (c.g. Vitamin A and its derivatives) are substances which are known to have a broad spectrum of biological activity. Most specifically, these substances affect cell growth, differentiation and proliferation. Retinoids 50 affect the differentiation, maintenance, and proliferation of many types of cells whether they are of ectodermal, endodermal or mesodermal origin; whether they are epithelial, fibroblastic or mesenchymal; or whether they are neoplastic, prencoplastic or non-neoplastic. At present, retinoids have 55 found clinical utility in the treatment of severe cystic acne, psoriasis, and other disorders of keratinization. Possible uses of retinoids are being explored in the prophylaxis and treatment of cancer. For a review of developments in retinoid therapy, see Pawson, B. A. et al. "Retinoids at the 60 Threshold: Their Biological Significance and Therapcutic Potential", Journal of Medicinal Chemistry 25:1269-1277 (1982).

The present status of retinoids in research and clinical medicine can be found in the publication of a symposium 65 held in Geneva: J. H. Saurat. Editor, "Retinoids: New Trends in Research and Therapy," Karger Publishing Co. (1985). 2

It is known to use certain retinoids, particularly vitamin A acid, topically for treatment of acne as set forth in my U.S. Pat. No. 3,729,568. Other known topical uses of vitamin A acid were reviewed by Thomas, J. R., et al, "The Therapeutic 5 uses of Topical Vitamin A Acid", Journal of American Academy of Dermatology 4:505-516 (1981) include, in addition to acne treatment, treatment of senile comedones, nevus comedonicus, linear vertueous nevus, plantar warts, pseudofollicultis, keratoacanthoma, solar keratosis of 10 extremities, callosites, keratosis palmaris et plantaris. Darier's disease, ichthyosis, psoriasis, acanthosis nigricans, lichen planus, molluscum contagiosum, reactive perforating collagenusis, melasma, corneal epithelial abrasion, geographic tongue, Fox-Fordyce disease, culaneous metastatic 15 melanoma and keloids or hypertrephic scars.

It is believed that retinoids influence ultrastructural and proliferative properties of epidermal cells. However, these prior an uses of vitamin A acid have generally involved short term treatments in which relatively high concentrations retinoic acid are applied (i.e. sufficient to cause significant irritation and often peeling) in order to obtain a quick therapeutic effect of the particular condition, such as removal of comedones, as opposed to long-term treatment of normal aging or photographing skin.

My copending application Scr. No. 759,505 discloses methods for treating sundamaged human skin topically with vitamin A acid in an emollient vehicle in such amounts as to be essentially non-irritating to the skin. This treatment causes the skin, particularly human facial skin, to substantially regain and maintain its firmness, turgor and elasticity by retarding and reversing the skin's loss of collagen fibers, abnormal changes in elastic fibers, deterioration of small blood vessels, epidermal atrophy and formation of abnormal epithelial growths.

BRIEF SUMMARY OF THE INVENTION

The present invention relates to the use of other retinoids, as hereinafter defined, in moderating and proventing the aging changes of the exposed (sundamaged) areas of the skin, especially the face. In particular, the methods of the present invention retard the effects of photoaging of the skin due to thinning and abnormal differentiation of the epidermis, inter alia. In general, the present invention relates to methods for retarding and reversing the loss of collagen fibers, abnormal changes in elastic fibers, deterioration of small blood vessels, and formation of abnormal cpithelial growths in sundamaged human skin, comprising applying topically to the surface of the skin a composition comprising effective amounts of a retinoid in an emolliont vehicle in a program of maintenance therapy, whereby the skin substantially regains and maintains its firmness, turgor and elasticity during the therapy, the composition and amounts of retinoid therein being selected so as to provide a sub-irritating dose for application.

More specifically, the methods comprise the topical application to the surface of the skin of effective amounts of retinoids in a program of maintenance therapy, whereby epithelial neoplasms (hasal and squamous cell cancers) and pre-neoplastic growths (actinic keratoses) are substantially prevented. Also, the skin significantly regains and maintains its firmness, targor and elasticity during the therapy. Effacement of fine wrinkles is an important clinical effect. Generally, the maintenance therapy is begun in adult life when epithelial growths and other aging changes begin to appear clinically. Pigmentary blotching and mottling are also alleviated. Rc. 36,068

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The retinoids may be applied to the skin in any non-toxic, dermatologically acceptable vehicle, preferably a nonvolatile, emolient or lubricating vehicle, in an amount and at a frequency which are insufficient to cause irritation of the skin. Generally, the concentrations are low but may be s suitably varied depending on the relative strength of the applied retinoid.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

The purpose of this invention is to moderate and retard the aging changes in the skin by topical application of retinoids beginning in young adult life when aging characters (sundamage) first become evident clinically. Certain anatomic alterations can be corrected and at least partially reversed, accompanied by improvement in the appearance of the skin.

The invention accomplishes two goals. First, a prophylactic effect in preventing progression and worsening of the damage with the passage of time. Secondly, various abnormalities are corrected and modified to the extent that the structure and function of the skip acquires the characteristics of younger (undamaged) skin.

AGE ASSOCIATED STRUCTURAL CHANGES

Although many of the effects of the aging of the human skin are the result of underlying structural changes which build up over a period of years and can only be detected histologically prior to young adult life, these changes and 30 effects begin to appear clinically in young adults, namely those between about 20 and 30 years of age, and are generally evident about middle age, namely between about 35 and 45 years of age, and become more and more evident and pronounced thereafter, especially in persons excessively 35 exposed to sunlight. The more apparent effects of aging have already been referred to above; and each is associated with one or more underlying structural changes in the skin. For example, blotchiness or mottling (hyperpigmentation) is due to accumulation of melanin in the basal cells of the epideran mis. This happens because the reproduction of the cells slows down greatly with aging, allowing them much longer time to receive melanin from the surrounding pigmentproducing melanocytes. By stimulating the proliferation of basal cells, pigment retention is prevented. 45

In addition to obvious cosmetic improvements in the skin, there are a number of other changes which are more important though less apparent, including loss of sensory acuity, reduced wound healing, decreased blood flow and decrease in the thickness of the skin. Older people have less sensitivity to pain and a longer response time. Thus, pain due to irritation or injury is not felt as soon or to the same extent

as in young people with the result that superficially minorbut potentially serious injuries may be sustained without the individual being aware of the injury until serious damage \int_{55} has occurred.

The surface temperature of the skin in older people is lower than the skin temperature in younger people, so that they often feel cold. This is one reason why the elderly retire to the sun-belt. Anatomically there is a great loss of small 60 blood vessels so that physiologically the blood flow through the skin is greatly reduced. The skin becomes paler and cooler. Furthermore, the decreased blood supply decreases the rate at which irritants and toxins are cleared from the skin. Dangerous build-up of toxic agents can result.

Still further, the skin of older people is more easily torn than that of younger people, since both the epidemnis and dermis become thinner with age and the fibrous matrix becomes structurally inferior. As a result, there is less bulk to protect underlying organs and therefore more risk of serious injury. Moreover, when wounds or injuries are sustained, healing of the wounds is much slower in older people.

The underlying causes of the above gross skin effects may be understood more readily from the following discussion of the specific changes in the epidermis and dermis as aging progress

_ 1. Epidermis

With increasing age and exposure of a human to sun and other environmental traumas, cells divide at a slower rate (decreased capacity to renew themselves). They show marked irregularities in size, shape and staining properties; orderliness (polarity) from below to above is lost. The thickness of the epidermis decreases (aurophy). The horny layer which comprises the barrier against water loss and penetration of chemicals becomes abnormal due to the shedding (exfoliation) of cells in large groups or clusters instead of as individual cells, resulting in roughness, scaling and dryness. There is loss of the orderly transformation of living epithelial cells into cornificd dead cells which are shed at the surface, that is, differentiation is impaired. Aberrant differentiation results in numerous foci of abnormal cpithchial growths or tumors, the most frequent of which are actinic keratoses. After many years these can transform into frank skin cancers called basal cell and squamous cell cancers. Pigment producing cells (melanocytes) can also become altered, forming flat, dark growths (lentigo melanoma) which may progress to malignant melanoma. The cells which make up these permalignant growths are eliminated by topical application of retinoids.

2. Dermis

The cells which make up the fibers of the dermis become smaller and sparser with increasing age, usually in sundamaged facial skin. There is a great loss of collagen fibers resulting in looseness and easy stretchability of the skin; elastic fibers become abnormal so that the skin does not promptly snap back after being stretched. Since the fibrous components comprise more than 90% of the bulk of skin of which 95% is collagen, the degradation of these fibers, especially collagen, is mainly responsible for wrinkling, laxness and loss of elasticity.

Small blood vessels become thin walled, dilated and often ruptured. Vascular supply thereby becomes compromised.

Beneficial Effects of Retinoids in Accordance With the Present Invention

(a) Increased proliferative activity of epidermal cells. This results in thickening of the epidermis with correction of atrophy. Cell renewal is quickened so that cells divide at a rate typical of younger skin. Treatment with retinoids in accordance with the invention can double the thickness of the epidermis. The stimulation of cell growth also results in faster wound healing. Experiments have been performed wherein blisters have been raised and the roofs cut off of the skins of individuals of various ages. Healing takes place in 2 or 3 weeks in young people, but takes much longer in older persuns. Application of the retinoid tretinoin, vilamin A acid or all-trans retinoic acid before raising the blister halves the healing time.

(b) Correction of abnormalities of differentiation. Retinoids regulate and control the physiologic behavior of epithelial tissue, assuring its stability and integrity. They correct and normalize abnormalities of differentiation. In sundam-

Webster's Encyclopedic Unabridged Dictionary of the English Language

The dictionary entries are based on the First Edition of *The Random* House Dictionary of the English Language

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ACKNOWLEDGMENTS AND PERMISSIONS;

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a. a. article current; os presuing viou.

At 3- generally current; os presuing viou.
a. a. article current; os presuing viou.

At 3- generally current; os presuing viou.
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At 4- generally current; os presuing viou.
a. a. article current; os presuing viou.

At 5- a. a. article current; os presuing viou.
presuing viou.

At 5- a. a. article current; os presuing viou.
presuing viou.

At 5- a. a. a. article current; os presuing viou.
presuing viou.

At 6- a. a. article current; os presuing viou.
presuing viou.

At 6- a. a. article current; os presuing viou.
presuing viou.

At 7- a. article current; os presuing viou.
a. article current; os presuing viou.

At 7- article current; os presuing viou.
a. article current; os presuing viou.

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At 7- article current; os presuing viou.
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At 7- article current; os presuing viou.
a. article current; os presuing viou.

At 7- article current; os

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tiren, -tir-ing. viz. (di. 24: dured,

traved,

profrans.the. -inting. profrans-laftion, n. profrans-mis/sion, n. profrans-mis/sion, n. trans-mis/sion, n.

pro/trans-mir/, s.t., -mit-ted, -mit-ting. pro/trans-parts.s.t. pro-trans-parts.s.t. pro-travel, n. s., -glad, -sk-ing. or (crp. Brit.) -elled, -sk-ing. pro-travel, adj. pro-travel, s.t. strind -travel.

pro-tro/chal, ddj. pro-try/, st., -tried, -try-ing. pro-try/dor, ddj. pro/tym.pen/ic. ddj. pro/tym.pen/ic. ddj. pro/ty-ograph/ical, ddj. pro-ty-zan/ai-cal, ddj.

fectual

ctual [PRIVAT: + -rao²] -pro-valiting-ty, acc. -pro-valiting-ness, n. Syn 1, preponderant, preponderating, dominant: prev-sut. 2. common. Soo current. 4. effective. - Ant. aleut. 2. rare.

3. rare, prov.a.lont (prov/o lent). adj. 1. widespread: of wide ordent or occurrence: in general use or occeptance. 2. having the superiority or machancy. 3. Archaic ef-tochual or efficacious. [< L prazoukani, G, of prazoukani, prb. of prazoukare to pravat. Soo rare, -valent] -prev/s.lasce, prev/s.lant.Bess. 7. -prev/s.lant-ly, ads. lv

gyn. 1. common, extensive. See current. -Ant.1. raro. -Syn. 1. common, extensive See current. -Antl. Marc. pre-Varicate (pri var/s kir/), s.t., cated, .cating. to speak falsely or misloadingly: deliberately misstate or create an incorrect inbreasion; Ma. [< L pragadricati(us), ptp. of pranaricati to walk as it mradding, (legal L: en-gage in collusion, eccl. L: transgroup, equiv. to pra-pres + scitchr to straddle, deriv. of scircus strudding (sdicus) crookied, bent + -icus -ici) - pre-var/losi-tios, n. - pre-var/ics/ice, pre-var/losi-tios, to - pre-var/ics/ice, pre-var/losi--Syn, evade, skift.

-Syn. evale, suit. pre-Varicestor (pri var's ki/tor), n. 1. one who pre-variations. 2. a Cambridge University student formerly delegated to give a spatiation oration at commencement delegated to give a spatiation oration at commencement of terree fillus (def. 1). [< L: see PREVANCATE, -OB' pre-ve-nance (pairs ning), n., pl -mances (-BRW) for 2. French 1. guiddlify in antichosting or catoring to the pleasures of others. 2. an instance of this

LEO DIEBAURES OF OLDERS 2. AN INSTANCE OF UNDER provenient (pri vēn/yent). adi. 1. coming before; prosentitus) coming before, pro. of prasenties to anticipate. See PRF, covervinter] — preveniente (previo nami, pre-can-lence (pri vēn/yens), n. — pre-ven/ientis, do.

prevention frace, divine grace operating on the human will prior to its furning to God.

CO AND CO AND Drevent grace, divine grace operating on the human will prior to its furning to God. Of the vent (pri vent), s.t. 1. to keep from occurring; human will prior to its furning to God. Of the vent (pri vent), s.t. 1. to keep from occurring; human bill of the interested is prevent bloodshed. 2. to hinder, senth; as from doing something: There is nothing to prevent us senth; as from doing something: There is nothing to prevent on interpose a hindrance; He will come if nothing pre-sents. [ME < L prasent(us) started beformhand (pp. a. dc. of present is to come) + dus pip. sufficient of prevent as licary, billing, a prevent/able, prevent the, as; places, billing, a prevent/able, prevent the, as; places, billing, as preventing of a started beformhand (pp. bilding, as, preventing, by dot. u. 3. — preventing, by dots. to the preventing by dots. b pretty degrees of stoppage of action or progress. To vary start is pretty degrees of stoppage of action or progress. To vary start is pretty degrees of stoppage of action or progress. To vary start is pretty degrees of stoppage of action or progress. To vary start is pretty degrees of stoppage of action or progress. To vary start is pretty degrees of stoppage of action or prepared the sending of a a fig. To Human is to keep back by delaying or stopping or use ing. To a string is to keep dus by darying or stopping fr use ing. To a string is to be po goritical is by defining of a string to prest is of anything by interfering with its proper to be prevention is in make difficult the movement or presty. To rest is to the of dusting re-ret the functioning: to imped g discussion by demanding re-ret by for went er (rri venter), n. 1. one who or that which with the prevent er (rri venter), a string function in the to top dust.

Drevent explanations. —And 1. help, assist. **Drevent** er (pri ven'tar), n. 1. one who or that which prevents 2. Nout, a. any of various lines set up to reinforce or relieve ortinary running or standing rigging. b. a line for preventing 8 sail from ilbung. [september + -BR¹]

prevent/er back/stay, Naw. Set jumper stay. Aim called prevent/er stay.

presential a forestalling. See PREVENT, 10N] **Pre-ven-tive** (pri ven/tiv). adj. 1. Mcd. of or noting a drug. Vacine, etc., for preventing disease; prophy-lactic. 2. serving to prevent or hinder: prevention medicine. -n. 8. Mrd. a drug or other substance for preventing disease; 4. a provintive agent or pressure. Also, pre-vent-ative (pri ven/to tive) (for dets 2. 4). [ratvEnr + -rve] - pre-con/tively. adv. - pre-ven/tive.ness. 7.

very low-lowe detention. Eac. Law. Imprison-ment of a habitual criminal (or periods ranging from 5-14 years during which he is given corrective training or placed under psychiatric and medical care. imprised

4 years ander p preventive law', Law, that part of office practice that estempts to anticipate and prevent future disap-polarment or controversy.

preveature "tion, n. preveature, n.t., -uod, -u-ing; n. prevegos is/tion, n. prevegos is/tion. n. preven/trai, add.

516 531 1340 P.14

SIG SJI 1.540 F.14 President and the second performance. 4. anything that is an advance idea or impression of something to one. -v.i. 6. to view or abow beforehand or in ad-vance. Also, prevers. [FID: + VINW] pre-vious (preves. [FID: + VINW] pre-vious (preves.] (A. coming or occurring before something class: prior: the previous owner. 2. Informal done, occurring, etc., before the proper time; from the before; prior to: Previous with that request a further model. [< L presents performed before, equiv. to pressore + st(a) way + -us add. suffx] --byte. 1. barlier, former, pressding, foregoing. -Ant. 1. later. pre-vious question, Parl Proc. the question

1. inter. pre-vious question, Parl Proc. the question whether a vote shall be taken at once on a main ques-tion; moved before the main question is put and re-worded to, crp. In the U.S., is order to cut old debate. pre-vise (pri vis/), s.t., -vised, -vising. 1. to forever, a. to forevarm. [< L prosts(u)] foresten, ptp. of prasvidire. See puts, vis.] - pre-vision, ptp. of pre-vision (pri vis/), n. 1. forest, he pre-vision (pri vis/), n. 1. forest, he pre-vision. [Par. + vanow] - pre-vision or perception. [Par. + vanow] - pre-vision at a pre-vision (pri vis/), s.t. (pre-vision), or pro-vision or perception. [Par. + vanow] - pre-vision at adj. pre-vo-calic (pré-vision/k), adj. Phonet. immedi-ately preceding & vowel. [Par. + vocal of - pro-vo-oal/ically, ads.

orl/.eal.by, ado. pre-vo-ca.tion.al. (pre-vo hf/zho n³), adj. of, per-taining to, or constituting preliminary vocational raining. [prus- + vocatioNAL] Pr6-vost (pra-vo, n. Mar.col (mas sel/). 1862-1841. French novelist and dramatist. Pr6-vost d'Ex-lles (pul vo/ deg zel/). An.toine Pran.cols (Br twar first serv). ("Abb Prfsort"). 1607-1763. French novelist. pr6-vue (pr6/v, z. e. boy's diven name.

prevue (me/vyoa'), n. s.t., wued, wuing, preview. Prew (pr53), n. a boy's given name. prewar (pr5/war), adj. before the war: prevar. prices. (pr5/war), n. a boy's given name, form of Prew. Also, Prewitt, Practt, Praitt.

proz.y (prek/s8), n., pl. proz. les. Skorg, a preddent, egp. of a college or university. Also, praz. [prez (by shortening and alter. of preddent) + -Y²]

end, of a course or university. Also, prez. [prez] (by shortening and alter. of president) + -r²] Prey (pris), n. 1. as minimal hunsted or solved for food, even by a carnivorous animal. 3. a person or thing that is the victim of an chemy, a swindlor, a dissue, or the like. 3. the action or habits of preying; best of prey. 4. Archeic booty or plunder. -ri, 5. to belies and devour prey, as an animal does (usually fol. by on or upon): Fors prey or rabbits. 5, to make raids or attacks for booty or plunder: The Vising preyed on contral settle-ments. 7, to exert a harmful or destructive influ-ence: His works preyed upon his mind. 8, to vic-timize a class of persons (usually fol. by on or upon): loan sharks that prey upon the poor. [ME preye < OF < L presed booty, prey] -prey'er, n. Pri-am (prifem), n. Class, Myth. 1, a king of Troy, the son of Laomedian hundhand of Hecuba, and inther of Paris, Casandra, Hector, Polyrens, and many others. He was killed during the capture of Troy. 2, the granding of thing Prism. Pri-amid (prife mid). n. Class. Myth. any of the 50

Pri-a-mid (pri/e mid). a. Class. Myth. any of the 50 sons of Priam.

pri-a-po-an (pri/2 p8/m), doj, priapic. [< P pria-plen < L Priapel(tus) < GR Pridpenos, Sco Phiapus, -AN]

Also called prevent/or stay'. prevent-tion (pri ven/shah), n. 1. the act of prevent. bg: effectual hindrance. 2. a preventive: This serum is a presention against disease. [< LL presention- (a. of presention against disease. [< LL presention- (a. of presention against disease. [< L preventive.] Or a preventive of or resembling presention against disease. [< L presention- (a. of presention against disease.] [</ presention- (a. of presention against disease.] [</ presention- (a. of a lingson against disease.] [<

masculation who mais sectority. [FRAN(MR) + -1C] prise prism (pri/2 pis/sm), n. 1. Pathol. continuous creation of the panis, sp. due to disease, 2. prutent behavior or display. [Par-AP(m) + -1SM - pri/-pis/mic, adj. pis'mic, adj. pri-a-pi-tis (m1/e pi-tis), a. Pathol inflam-mation of the penue [Pri-a-puts (pri \$/pos), n. 1. Class. Myth. a god of male promotive power the son of Dioaysus and Aphrodize 3. (Lc.) a phallar. J وللمتعادات The present 5. to use permitted on or induce-pointment or controversy. This is a processive power, the sen of Dionysus and pre-vent to rium (pre/vent threshow or the sen of Dionysus and pre-vent to rium (pre/vent threshow or the second pre-pre-vent to rium (pre/vent threshow or the second pre-tion of Dionysus and pre-vent to rium (pre/vent threshow or threshow or the second pre-tion of Dionysus and pre-vent to rium (pre/vent threshow or threshow or the second pre-tion of Dionysus and pre-vent to rium (pre/vent threshow or th

dø.; 🕐 · . . e ... :::, pre-world in add. pre-world in add. pre-world in add. pre-world in a single of -shipped, -shiping of -shipping. pre-world in the add. pre-vois. 5.. pre-void/ance, n. pre-vo.l/timel, 56. pre/-Vol/stead, n. pre/vol-un-teor/, n. p. wor/thisten. R. pre-wordd, n. s. ...

 add.
 pre/ty-pograph/i-cal adj.
 pre-wan/trei, adj.
 pre-wan/trei, adj.
 pre-wan/tice, n. s., -tured, pre-vol/an-taor/, n. s. pre-wond/, n. s.i.

 pre-wan/tare, adj.
 pre-wan/tare, n. s., -tured, pre-vole/, n. s., -tured, pre-vole/, n. s. pre-wond/, n. s.i.
 pre-wand/, n. s.i.
 pre-wond/t, n. s.i.

 pro-wand/tare, n.
 pre-wan/tare, n. s., -tured, pre-vole/, n. s. pre-vole/, n. s.p. pre-vole/, n. s.p. pre-vole/, n. s.p. pre-vole/, n. s.pre-vole/, n. s.p. pre-vole/, n. s.p. pre-vole/, n. s.p.

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STATES CALLERAL



11	are at their own homes to relative cosed at their own homes to relative intections diseases. [PREVENT 4 (prevood), r. 1. an carlier of a dvance showing of a motion pic	r previous Sea, SW of Alnaka ture, play, breeding ground of	and belonging to the U.S.: th
	pre/m.der.take/. s.t., -taok. -tak-m, -tak-ing. pro-yuhian. adj. pro-yuhiato/, s.t., -nit-ed, -hit-ing. pre-n/ti-liz/a-bic. adj.	prover/ainta, n. prover/aintal, adj. prover/a.m. pi-tossi S.I., -tosd, -toing. provVicto/riss, adj. provvig/linace, n. provig/linace, n. provvig/linate, adj.; -iy, ade. provvig/linate, siiated, -isting. provioia/lion, n. -mro.Vir.cia/lion, n.	pro-wald, n. s.t. pro-weigh, ol. pro-weigh, ol. scon.bg. pro-whor, s.t., whisped, -whoring. pro-will/ing, adi, -ly, ads. -bass, n. gre-wire, adi, -wired, -wir-ing. pro-wire/lass, adj.
	provad di Bator, b.c., marton, - pating. yre/vad.cd.ba/ian.n. pro/val/d.ddj., iy. ddo. pre/val/d/ity.n. pre/val/d/ity.n. pre/val/d.acd., ucd, -0.ing; n.	provisibility, n. provisibile, adjbly, ads. provisity, n. 5. provisity, n. 7. provogud, n. 1. provogud, n. 1. provold/ sj.	pre-world/iconss, n. pre-world/iconss, n. pre-world/is. cd/. pre-world/is. cd/. shipped, ship-ing or -shipping. pre-wor/thidy, ads.

Pre-Vis-Lisor, N. pre-vogue, n. pre-void. s.i.